

THERMAL AND POWER MANAGEMENT FOR COMPUTER SYSTEMS

ABSTRACT OF THE DISCLOSURE

Improved approaches to providing thermal and power management for a computing device are disclosed. These approaches facilitate intelligent control of a processor's clock frequency and/or a fan's speed so as to provide thermal and/or power management for the computing device.

1. A method for managing thermal and power consumption of a computing device, comprising: determining a current temperature of the computing device; determining a current power consumption of the computing device; and based on the current temperature and the current power consumption, adjusting a clock frequency of a processor and a speed of a fan.